ABSTRACT OF THE INVENTION

[0080]   A method for allocating media unit sequences, such as MPEG compliant programs, among a plurality of output channels, especially in an allocation unit environment. The method including the steps of: (I) Generating previous media unit sequence behavior pattern information. (II) Estimating at least one aspect of a predicted overflow in at least two output channels, in response to (a) at least a portion of the previous media unit sequence behavior pattern information, and (b) at least two potential allocations of media unit sequences, and (III) Selecting a selected allocation out of the at least two potential allocations in response to the at least one aspect of the predicted overflow. Conveniently, the selected allocation is the best allocation in respect of the at least one aspect.